

SECRET

NPIC/TSSG/DED-1124-68
15 March 1968

Declass Review by NGA.

MEMORANDUM FOR: Director, National Photographic Interpretation Center

SUBJECT : Proposed Contract with the [REDACTED]

1. This memorandum requests approval for the commitment of funds for an R&D contract. The specific request is contained in paragraph 5.

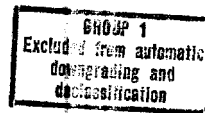
2. The Mensuration Division of the Imagery Exploitation Group has seven [REDACTED] Comparators for extracting measurements from imagery, a basic part of the photo interpretation process. Two of these comparators, Model 621's, have only marginal reliability because certain of their components are obsolete. These components are the "digitizing units" which convert the comparators' electronic calculations into figures to be read by the operator. Such components cost upward of [REDACTED] and their replacement would normally require a major expenditure. However, some adequate replacements for the main subcomponents of these digitizers are available in the Center as salvage from equipment which has been salvaged. The Imagery Exploitation Group has requested that the [REDACTED] 621 Comparators be updated by replacing the original digitizers with this salvaged equipment.

3. The main items of equipment required to bring the Model 621 Comparators up to an acceptable performance level again are four display units (two for each comparator) and two control panels. These became available when the Center's [REDACTED] Comparators became obsolete. Under this proposed project, the [REDACTED] will supply the additional parts required to convert each comparator, and will perform the actual conversion. This work cannot be done by electronic engineers of the Equipment Performance Staff because they are already working overtime and their work schedules are overfull for the next few months. The work will be performed by the contractor in a single phase, and will be completed within 45 days of the contract date.

4. This project resulted from a specific Imagery Exploitation Group request, a copy of which is attached.

5. It is requested that approval be granted to negotiate with the [REDACTED] for a contract to modify two [REDACTED] Model 621 Comparators

SECRET



SECRET

SUBJECT: Proposed Contract with the [REDACTED]

and to connect them to Government-furnished digital display units and control panels at a total cost of approximately [REDACTED]

[REDACTED]
Chief, Technical Services & Support Group, NPIC

Attachments:

R&D Catalog Form

IRG Speed Letter

[REDACTED] Proposal

APPROVED

ARTHUR C. LUNDHAL

Director

National Photographic Interpretation Center

1 APR 1968

Date

Distribution:

Original - NPIC/TSSG/SE/LB (After approval)

2 - NPIC/TSSG

2 - NPIC/TSSG/SLPE

1 - NPIC/TSSG/IED

SECRET

SECRET

Approved For Release 2005/02/17 : CIA-RDP78B04770A001500030003-1

R & D CATALOG FORM		DATE
1. PROJECT TITLE/CODE NAME Improved Digitizer for the Model 621 Comparator		2. SHORT PROJECT DESCRIPTION Modernize the digitizing systems of two 621 comparators
3. CONTRACTOR NAME 		4. LOCATION OF CONTRACTOR
5. CLASS OF CONTRACTOR Manufacturer		6. TYPE OF CONTRACT Fixed Price
7. FUNDS FY 19 67 \$ None	8. REQUISITION NO.	9. BUDGET PROJECT NO. NP-P-4-11048
FY 19 68	10. EFFECTIVE CONTRACT DATE (Begin - end) 1 April 1968 - 30 June 1968	11. SECURITY CLASS. T - Unclassified W - Unclassified AA - Confidential
FY 19 69 \$ None	12. RESPONSIBLE DIRECTORATE/OFFICE/PROJECT OFFICER TELEPHONE EXTENSION DDI/NPIC/TSSG,	
13. REQUIREMENT/AUTHORITY NPIC/IEG has a requirement for greater reliability in the digitizing systems currently used on Model 621 Comparators.		
14. TYPE OF WORK TO BE DONE Procure, modify and install reliable digitizing equipment on the 621 comparator and interfacing it with GFE Standard control and display units.		
15. CATEGORIES OF EFFORT		
MAJOR CATEGORY	SUB-CATEGORIES	
Measuring Systems	Electronics	
16. END ITEM OR SERVICES FROM THIS CONTRACT/IMPROVEMENT OVER CURRENT SYSTEM, EQUIPMENT, ETC. This project will result in a 621 comparator with reliable digitizing equipment and interfaced to the standardized control panel and digital display units.		
17. SUPPORTING OR RELATED CONTRACTS (Agency & Other)/COORDINATION Similar work has been performed on a Model 880 Comparator owned by DIA.		
18. DESCRIPTION OF INTELLIGENCE REQUIREMENT AND DETAILED TECHNICAL DESCRIPTION OF PROJECT (Continue on additional page if required) The telecordex digitizing systems presently in use on the 621 comparators are old and unreliable. Due to a suspended project, several modern unused control panels and digital display units are available. Retrofitting the comparators with Compatible encoders, electronic modules, etc. will allow use of this unused equipment and provide reliable digital output.		
19. APPROVED BY AND DATE		
OFFICE	DEPUTY DIRECTOR	DDCI
Approved For Release 2005/02/17 : CIA-RDP78B04770A001500030003-1		

25X1



February 6, 1968

U. S. Government

Attn: Mr. Bill K.

Gentlemen:

25X1

Our understanding is that your laboratory desires a quotation for the installation of the [] Type H1045 encoder heads and the 15#L42 systems for digital readout of the Type 641-014 and 015 Comparators. We are pleased to quote as follows:

Item #1 Assembly and installation of digital readout system for each of the two [] Type 641 Comparators

25X1

25X1

Cost breakdown per unit is as follows:

(a) Direct labor

Eng - 4 hrs @ \$5 + overhead, G&A and profit
Shop and assembly - 21 hrs @ \$3.95/hr plus overhead, G&A and profit
Field engineering service for installation 20 hrs @ \$18/hr

25X1

(b) Components and parts

2 - [] Type H1045 encoder heads @ \$430 ea
2 - Dynamics Research Type 15#L42 units with mounting box and cables by DWM
(US Gov't to supply two 5-pin pl

25X1

25X1

U. S. Government

-2-

February 6, 1968

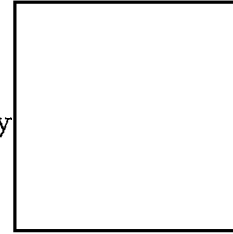
(c) Transportation and per diem

Air fare

Ground transportation

Per diem 1-1/2 days @ \$22/day

G&A @ 12.4%



25X1

Delivery will be 30 - 45 days after receipt of order, and all prices are fob  Our terms are net 30 days, and this quotation is firm for a period of 60 days. Overhead rate used in this computation is 140% and the profit 12%.

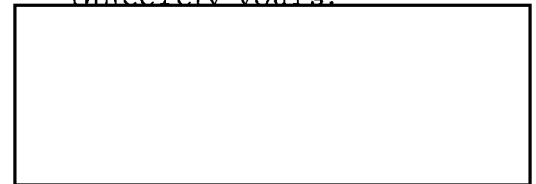
25X1

The additional shop time of that charged for the similar installation of your Type 1210 Comparators is due to the fact that special brackets have to be manufactured for the 621 adaptation.

We trust that the above information is sufficient for your immediate action. If you have any questions, please contact us at your convenience.

25X1

Sincerely yours,



ACT/mw

SECRET
(When Filled In)

SPEED LETTER		REPLY REQUESTED		DATE
		YES	NO	26 January 1968
				LETTER NO.
				05/68
TO : Chief, TSSG/TDS		FROM: Chief, IEG/MS <i>RL</i>		
ATTN:				
1. IEG/Mensuration has on hand several unused digitizing component drawers such as 2030 As, 2827 As, 2827 Bs, 2826 Cs, and 4 axis control units. It is planned, as far as possible, to use these units in replacing obsolete Telecordex digitizing units that are now in use but are marginal in reliability. It is requested that a survey be made by your organization as to the costs of making those replacements, electrical modifications that would be necessary and the type of interfacing units (reading heads, etc.) required. 2. These spare units result from the suspended conversion of the comparators which now have been removed from				
REPLY				DATE
Approved For Release 2005/02/17 : CIA-RDP78B04770A001500030003-1 RETURN TO ORIGINATOR				